

Project Title	Funding	Strategic Plan Objective	Institution
MSSNG	\$5,802,895	Q3.L.B	Autism Speaks (AS)
Genetic basis of autism	\$4,000,000	Q3.L.B	Cold Spring Harbor Laboratory
Autism Genetics, Phase II: Increasing Representation of Human Diversity	\$2,715,972	Q3.S.D	University of California, Los Angeles
New York Genome Center, Inc.	\$2,210,000	Q3.L.B	New York Genome Center, Inc.
Pieces of the Puzzle: Uncovering the Genetics of Autism	\$1,699,790	Q3.L.B	Broad Institute, Inc.
4/4 The Autism Sequencing Consortium: Autism gene discovery in the >20,000 exomes (supplement)	\$919,964	Q3.S.A	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
The Future of Genomics Medicine in Patient Care: Contributions from CHOP	\$906,296	Q3.L.B	Children's Hospital of Philadelphia
Autism genetics: homozygosity mapping and functional validation	\$765,736	Q3.L.B	CHILDREN'S HOSPITAL CORPORATION
Genetic Epidemiology of Complex Traits	\$747,204	Q3.L.B	National Institutes of Health
1/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$720,372	Q3.S.A	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
4/4 The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$676,656	Q3.S.A	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Integrating the genomics of Autism Spectrum Disorders(ASD) in consanguineous and "idiopathic" families	\$665,939	Q3.L.B	Yale University
Sporadic Mutations and Autism Spectrum Disorders	\$647,900	Q3.S.A	University of Washington
Next Generation Gene Discovery in Familial Autism	\$644,823	Q3.L.B	University of Washington
Population-Based Autism Genetics & Environment Study	\$618,149	Q3.L.D	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Computational tools to analyze SNP data from patients with mental illness	\$572,792	Q3.L.B	PARTEK, INC.
Impact of Pten mutations on brain growth and social behavioral development.	\$480,000	Q3.S.K	The Scripps Research Institute
Rapid Phenotyping for Rare Variant Discovery in Autism	\$453,878	Q3.S.A	University of California, Los Angeles
2/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$415,893	Q3.S.A	BROAD INSTITUTE, INC.
FUNCTIONAL DISSECTION OF CNVS IN NEURODEVELOPMENTAL TRAITS	\$366,666	Q3.L.B	Duke University
Autism subtypes by gene characterization	\$318,824	Q3.S.A	University of Washington
Novel Statistical methods for DNA Sequencing Data, and applications to Autism.	\$318,575	Q3.L.B	Columbia University
3/4 - The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$302,248	Q3.S.A	University of Pittsburgh
1/3 - Sequencing Autism Spectrum Disorder Extended Pedigrees	\$298,000	Q3.L.B	UNIVERSITY OF UTAH
Genetic basis of phenotypic variability in 16p11.2 deletion or duplication	\$285,856	Q3.L.B	University of Washington
Investigating the role of somatic mutations in autism spectrum disorders	\$263,892	Q3.L.B	OREGON HEALTH & SCIENCE UNIVERSITY

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Identification and analysis of functional networks perturbed in autism	\$250,000	Q3.L.B	Columbia University
Complex Genetic Architecture of Chromosomal Aberrations in Autism	\$248,999	Q3.L.B	Massachusetts General Hospital
Mutations in noncoding DNA and the missing heritability of autism	\$244,030	Q3.L.B	University of California, San Diego
2/3 Sequencing Autism Spectrum Disorder Extended Pedigrees	\$231,750	Q3.L.B	University of Washington
Elucidating pathogenic mutations disrupting RNA regulation in autism	\$225,000	Q3.L.B	Columbia University
1/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$206,585	Q3.S.A	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Applications of novel statistical methods to CNVs in autism and schizophrenia	\$200,000	Q3.L.B	Columbia University
Population-Based Autism Genetics & Environment Study	\$165,663	Q3.L.D	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
3/3-Sequencing Autism Spectrum Disorder Extended Pedigrees	\$160,000	Q3.L.B	University of Pennsylvania
2/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$157,618	Q3.S.A	BROAD INSTITUTE, INC.
Cryptic Genetic Causes of Autism	\$141,719	Q3.L.B	Massachusetts General Hospital
Whole-exome sequencing to identify causative genes for autism	\$134,203	Q3.L.B	ROCKEFELLER UNIVERSITY
Dosage effects of DUF1220 gene subtype CON1 in autism	\$125,000	Q3.L.B	University of Colorado, Denver
A multi-platform approach to the functional assessment of ASD gene variants	\$120,000	Q3.Other	University of British Columbia
Validation of candidate ASD genes by targeted sequencing with molecular inversion probes	\$101,258	Q3.L.B	The Regents of the University of California, San Francisco (Contracts & Grants)
Interactome perturbation by large-scale mutagenesis to find risk variants ñ Core	\$97,702	Q3.Other	Cornell University
3/4 - The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$65,732	Q3.S.A	University of Pittsburgh
Use of High-throughput Splicing Assays to Prioritize Autism Gene Candidates	\$62,500	Q3.L.B	Brown University
Genome-wide analysis of cis-regulatory elements in autism	\$62,500	Q3.L.B	Washington University in St. Louis
Exploring the Intersection of Autism and Homeostatic Synaptic Plasticity	\$60,000	Q3.Other	The Regents of the University of California, San Francisco (Contracts & Grants)
Role of Selfish Spermatogonial Selection in Neurocognitive Disorders	\$59,995	Q3.L.B	University of Oxford
Discovery and Functional Characterization of Gene Regulatory Networks (GRNs) of Autism Risk Genes	\$59,900	Q3.Other	CHILDREN'S HOSPITAL OF LOS ANGELES

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The genetic basis underlying the phenotype heterogeneity of the 16p11.2 CNV	\$46,136	Q3.S.A	University of Washington
Thompson Center Clinical Site Network Pilot for the National Autism Cohort	\$37,500	Q3.L.B	The Curators of the University of Missouri
University of Washington Clinical Site Network Pilot for the National Autism Cohort	\$37,500	Q3.L.B	University of Washington
Uncovering the Spectrum of De Novo Mutation in Autism through Whole Genome Sequencing	\$35,000	Q3.S.A	University of California, San Diego
Quantifying Offspring ASD Risk for Unaffected Sisters of Males with ASD	\$35,000	Q3.S.C	Washington University in St. Louis
Advanced Autism Genetics: Biological Subgroups, Diagnostic Classification, and Resilience.	\$30,000	Q3.S.A	State University of New York, Upstate Medical University
Identifying Patterns of Genetic Variants Conferring Risk for Neurodevelopmental Disorders	\$29,987	Q3.L.B	Pennsylvania State University
Interactome perturbation by large-scale mutagenesis to find risk variants - Project 2	\$29,831	Q3.Other	Carnegie Mellon University
University of North Carolina Clinical Site Network Pilot for the National Autism Cohort	\$24,750	Q3.L.B	University of North Carolina
Interactome perturbation by large-scale mutagenesis to find risk variants - Project 1	\$24,172	Q3.Other	University of Pittsburgh
Determine risk genes enriched in intronic multispecies conserved sequences, and copy number variant breakpoints in autism overlap preferentially with short interspersed elements	\$21,000	Q3.Other	University of Louisville
An exploration of genetic and behavioral variables in Autism Spectrum Disorder	\$18,200	Q3.S.A	Center for Autism and Related Disorders (CARD)
High-throughput Screening of Novel Trinucleotide Repeat Expansion in Autism Spectrum Disorders	\$15,000	Q3.L.B	The Hospital for Sick Children
Sequence-based discovery of genes with pleiotropic effects across diagnostic boundaries and throughout the lifespan	\$14,998	Q3.L.B	Massachusetts General Hospital
Simons Simplex Collection support grant	\$13,200	Q3.L.B	University of California, Los Angeles
Simons Simplex Collection support grant	\$10,000	Q3.L.B	Yale University
Simons Simplex Collection support grant	\$10,000	Q3.L.B	McGill University Health Centre- Montreal Children's Hospital
Simons Simplex Collection support grant	\$10,000	Q3.L.B	University of Missouri
Simons Simplex Collection support grant	\$10,000	Q3.L.B	University of Washington
Simons Simplex Collection support grant	\$9,159	Q3.L.B	University of Illinois at Chicago
Simons Simplex Collection support grant	\$8,912	Q3.L.B	Vanderbilt University
Simons Simplex Collection support grant	\$8,800	Q3.L.B	Emory University
Simons Simplex Collection support grant	\$5,983	Q3.L.B	Baylor College of Medicine

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Simons Simplex Collection support grant	\$1,831	Q3.L.B	Weill Cornell Medical College
A history of behavioral genetics	\$0	Q3.Other	University of Pittsburgh
Discovery of regulatory variants underlying pediatric neurological disease	\$0	Q3.L.B	HudsonAlpha Institute for Biotechnology
Illumina, Inc.	\$0	Q3.L.B	Illumina, Inc.
Extending ASD risk locus discovery to the non-coding genome - Project 2	\$0	Q3.L.B	Yale University
Extending ASD risk locus discovery to the non-coding genome - Project 1	\$0	Q3.L.B	The Trustees of Columbia University in the City of New York
Genomic profiling of autism families using whole-genome sequencing	\$0	Q3.L.B	Institut Pasteur
Genomic influences on development and outcomes in infants at risk for autism	\$0	Q3.L.B	University of Alberta
Extending ASD risk locus discovery to the non-coding genome - Core	\$0	Q3.L.B	The Regents of the University of California, San Francisco (Contracts & Grants)
Genome Sequencing pilot of Simons Simplex Collection	\$0	Q3.L.B	University of Washington
Structural Variation and the Genetic Architecture of Autism	\$0	Q3.L.B	University of Washington
Accelerating Autism Genetics via Whole Population Ascertainment in Denmark	\$0	Q3.L.B	Broad Institute, Inc.
Combining WGS from Utah high-risk pedigrees and SSC families	\$0	Q3.L.B	University of Utah
Sequencing Female-enriched Multiplex Autism Families (FEMFs)	\$0	Q3.L.B	Johns Hopkins University
Integrating large scale whole exome data with whole genome data	\$0	Q3.L.B	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Dosage effects of 22q11 region on autism-relevant neural systems	\$0	Q3.S.A	University of California, Los Angeles
Autism Spectrum Disorders: Genomes to Outcomes	\$0	Q3.L.B	Hospital for Sick Children
Genomic influences on developmental course and outcome in Infants at risk of ASD: A Baby Siblings Research Consortium (BSRC) Study	\$0	Q3.S.A	University of Alberta
Genomic influences on development and outcomes in Infants at risk of ASD	\$0	Q3.S.A	University of Alberta
Role of the Intestinal Microbiome in Children with Autism	\$0	Q3.S.I	Massachusetts General Hospital

